

Claims

[c1] What is claimed is:

1.A display panel comprising:

a first scanning band, a second scanning band and a third scanning band positioned between the first scanning band and the second scanning band, and each scanning band including a plurality of parallel scanning lines;

a plurality of parallel data lines extending across the first scanning band, the second scanning band and the third scanning band, the data lines and the scanning lines being perpendicular to each other, and each of the data lines including a disconnecting point positioned in the third scanning band; and

a plurality of pixel units, each pixel unit being positioned around an intersection point of one scanning line and one data line and being electrically controlled by both the scanning line and the data line.

[c2] 2.The display panel of claim 1 further comprising a first data driver and a second data driver, and the first data driver and the second data driver are electrically connected with the data lines for inputting image data into

each pixel unit.

- [c3] 3.The display panel of claim 2 further comprising a signal supplier for supplying each pixel unit with the image data.
- [c4] 4.The display panel of claim 2 further comprising a memory for storing the image data supplied by the signal supplier, with the stored image data being further outputted from the memory into the first data driver and the second data driver.
- [c5] 5.The display panel of claim 4 further comprising a gate driver for applying scanning signals to the scanning lines of each scanning band.
- [c6] 6.The display panel of claim 5, wherein when the first data driver and the second data driver respectively input the image data into each pixel unit positioned in the first scanning band and the second scanning band, the gate driver applies a first scanning signal to the scanning lines of the first scanning band in sequence according to a first scanning direction so as to enable the pixel unit electrically controlled by each scanning line of the first scanning band to accept a corresponding image data, and the first scanning signal is simultaneously applied to the scanning lines of the second scanning band in se-

quence according to a second scanning direction so as to enable the pixel unit electrically controlled by each scanning line of the second scanning band to accept a corresponding image data.

- [c7] 7.The display panel of claim 6 wherein when the first data driver and the second data driver input the image data into each pixel unit positioned in the third scanning band, the gate driver applies a second scanning signal to the scanning lines of the third scanning band in sequence according to a third scanning direction.
- [c8] 8.The display panel of claim 7 wherein the first data driver and the second data driver input the same image data into the third scanning band.
- [c9] 9.The display panel of claim 7 wherein the first scanning direction and the second scanning direction are identical.
- [c10] 10.The display panel of claim 9 wherein the third scanning direction and the first scanning direction are identical.
- [c11] 11.The display panel of claim 9 wherein the third scanning direction and the first scanning direction are opposite.
- [c12] 12.The display panel of claim 7 wherein the first scan-

ning direction and the second scanning direction are opposite.

[c13] 13.The display panel of claim 12 wherein the third scanning direction and the first scanning direction are identical.

[c14] 14.The display panel of claim 12 wherein the third scanning direction and the first scanning direction are opposite.